



**US Army Corps
of Engineers**
Louisville District ®

Joint Public Notice

Public Notice No.	Open Date:	Close Date:
LRL-2015-518-lcl	2 Feb 2016	3 Mar 2016

Please address all comments and inquiries to:

Mr. Laban C. Lindley
U.S. Army Corps of Engineers, Louisville District
Indianapolis Regulatory Office
8902 Otis Avenue, Suite S106B
Indianapolis, Indiana 46216

Phone: 317-543-9424

This notice announces an application submitted for a Department of the Army (DA) Permit, subject to Section 404 of the Clean Water Act (CWA) and for State Water Quality Certification pursuant to Section 401 of the CWA from the Indiana Department of Environmental Management, Office of Water Quality.

APPLICANT: Purdue Research Foundation
1281 Win Hentchel Boulevard
West Lafayette, Indiana 47906

AGENT: Christopher B. Burke Engineering, LLC
115 West Washington Street, Suite 1368 South
Indianapolis, Indiana 46204

LOCATION: Tributary to Wabash River (locally known as Todds Creek), located northwest of the intersection of State Street (S.R. 26) and McCormick Road, in Section 24, Township 23 North, Range 5 West, West Lafayette, Tippecanoe County, Indiana.

Latitude: 40.4246° N
Longitude: 86.9325° W
7.5 Minute Quad: Lafayette West, IN.

PURPOSE: Relocate Todds Creek to accommodate master plan development of the Western Gateway District.

DESCRIPTION OF WORK: Discharge 493 cubic yards (cys) of clean earthen fill into 2,220 linear feet (LF) of Todds Creek to relocate the channel into a new 2,244 LF stream corridor. Additionally, an adjacent 0.03 acre wetland would be filled and the existing culvert carrying McCormick Road over Todds Creek would be replaced with a new 165 LF concrete box culvert. The work would accommodate the master plan development of the site including mixed use office space and parking, drainage improvements, and planned future road widening.

AVOIDANCE, MINIMIZATION, AND MITIGATION MEASURES: The applicant has proposed to avoid filling approximately 600 LF of Todds Creek and its riparian corridor in the northeastern portion of the site. Additionally, the relocated stream corridor has been carefully planned to reduce the impact to upland forest areas to the maximum extent

possible. Compensatory mitigation includes the on-site restoration of 2,244 LF of Todds Creek including adjacent sedge meadow wetland, forested floodplain shelves, and in-stream habitat structures. The new stream corridor would serve as an educational feature for the community and university, and be protected in perpetuity.

It is noted that this proposed mitigation plan is open to comment and subject to change. The Corps will make a determination of appropriate mitigation, upon review of all submitted information.

REVIEW PROCEDURES: A DA Permit cannot be issued if any legally required Federal, State, or local authorization or certification is denied.

A DA Permit, if otherwise warranted, will not be issued on this project until a State of Indiana Section 401 Water Quality Certification (WQC) from the Indiana Department of Environmental Management (IDEM) is on file in this office or it is considered waived. This Public Notice serves as the notice for a Clean Water Act Section 401 application for water quality certification from the IDEM. IDEM will review this proposal for compliance with the applicable provisions of Section 301, 302, 303, 306 and 307 of the CWA, including the state water quality standards currently set forth at 327 IAC 2. They will consider comments regarding this proposal postmarked by the closing date of this notice. Comments to IDEM should be addressed to: IDEM, Office of Water Quality, Section 401 WQC Program, 100 N. Senate Avenue Room N1255, Indianapolis, Indiana 46204. The applicant is responsible for obtaining the certification from IDEM.

Copies of this notice are sent to the appropriate Federal and State Fish and Wildlife Agencies. Their views and comments are solicited in accordance with the Fish and Wildlife Coordination Act of 1956. Based on available information, the proposed activity will not destroy or endanger any Federally-listed threatened or endangered species or their critical habitats, as identified under the Endangered Species Act, and therefore, initiation of formal consultation procedures with the U.S. Fish and Wildlife Service is not planned at this time.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. A request for a public hearing must state the specific interest which might be damaged by issuance of the DA Permit.

The National Register of Historic Places has been examined, and it has been determined that there are no properties currently listed on the Register which would be directly affected by the proposed work. The applicant contracted to have an archaeological reconnaissance and literature survey completed for the project area. The report indicated that no archaeological sites were located in the project area. In a letter dated October 19, 2015, the Indiana State Preservation Office concurred with the report that no further archaeological investigations are needed in the area surveyed, and no currently known archaeological resources listed in or eligible for the National Register of Historic

Places have been identified in the survey area. If we are made aware, as a result of comments received in response to this notice, or by other means, of specific archaeological, scientific, prehistoric, or historical sites or structures which might be affected by the proposed work, the District Engineer will immediately take the appropriate action necessary pursuant to the National Historic Preservation Act of 1966 - Public Law 89-665 as amended (including Public Law 96-515).

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered; among those are conservation, economics, aesthetic values, general environmental concerns, historic values, fish and wildlife values, flood damage prevention, land use, navigation, recreation, water supply, water quality, energy needs, safety, food production, and in general, the needs and welfare of the public. In addition, the evaluation of the impact of the activity on the public interest will include application of the guidelines (40 CFR Part 230) promulgated by the Administrator, United States Environmental Protection Agency (USEPA), under authority of Section 404(b) of the CWA.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. It is presumed that all interested parties and agencies will wish to respond; therefore, a lack of response will be interpreted as meaning that there is no objection to the proposed project. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Written statements received in this office on or before the closing date will become a part of the official record and will be considered in the determination on this permit request. Any objections which are received during this period will be forwarded to the applicant for possible resolution before the determination is made whether to issue or deny the requested DA Permit. A permit will be granted unless its issuance is found to be contrary to the public interest.

Information pertaining to this application is available for public examination during normal business hours upon prior request. Drawings

Operations Division
Regulatory Branch (North)
Public Notice No. LRL-2015-518-1c1

are available on Louisville District's Internet site at <http://www.lrl.usace.army.mil/Missions/Regulatory.aspx>. All comments regarding this proposal should be addressed to Mr. Laban C. Lindley at the address noted above and should refer to the Public Notice Number LRL-2015-518-1c1.

If you desire to submit your comments by email, you must comply with the following:

a) In the subject line of your email, type in **ONLY** the Public Notice ID No. LRL-2015-518-1c1.

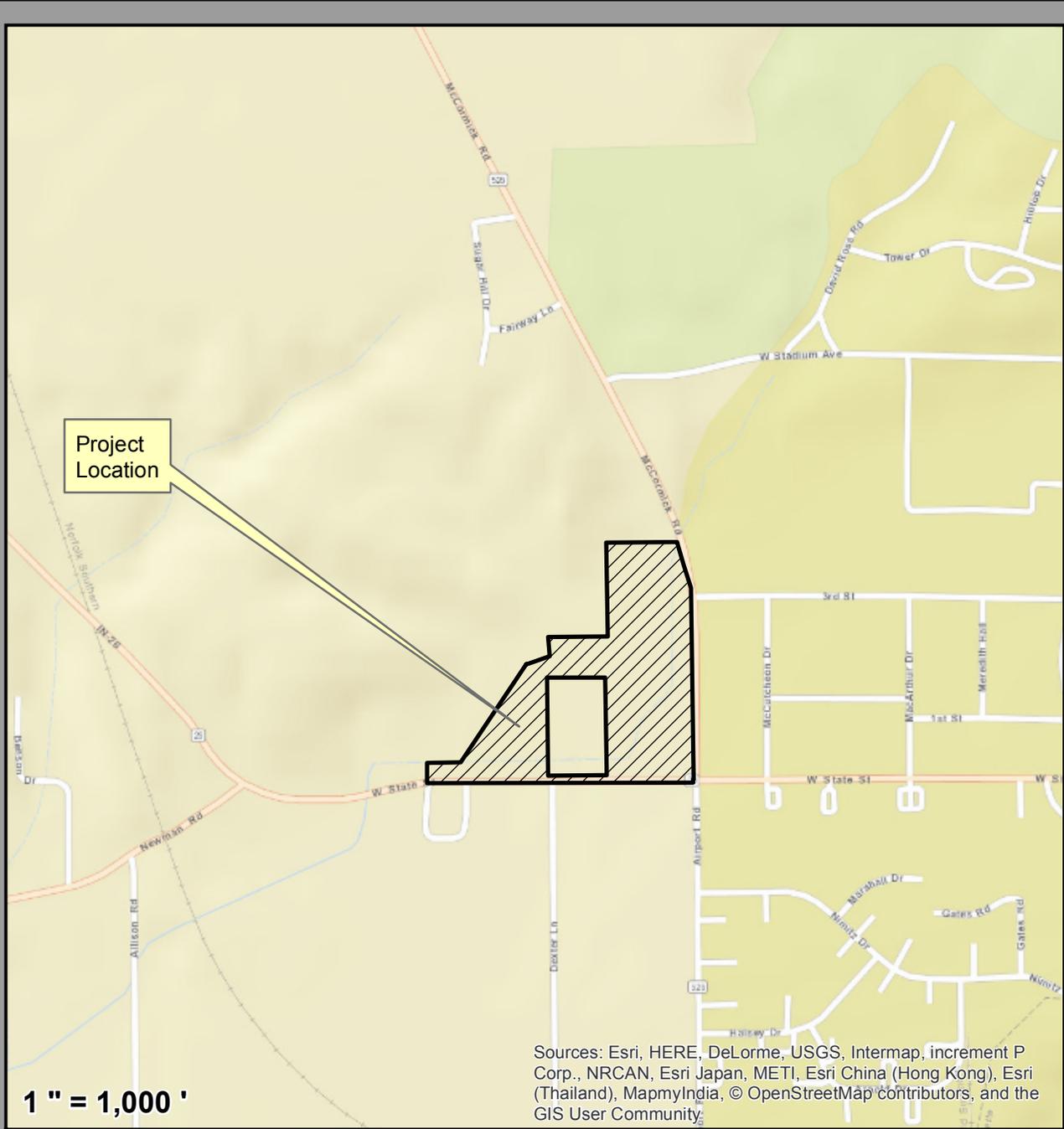
Example:

Subject: LRL-2015-518-1c1.

b) Provide your physical mailing address and telephone number.

c) Send your email to: lrl.regulatorypubliccomment@usace.army.mil

d) If you are sending attachments greater than 1 Mb in size with your email, you must send a hard copy (CD or paper) to the Corps' physical address as well.



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 115 West Washington Street
 Indianapolis, Indiana 46204
 (t) 317.266.8000 (f) 317.632.3306

PROJECT: Western Gateway District
 Drainage Improvement Project

TITLE: Location Map

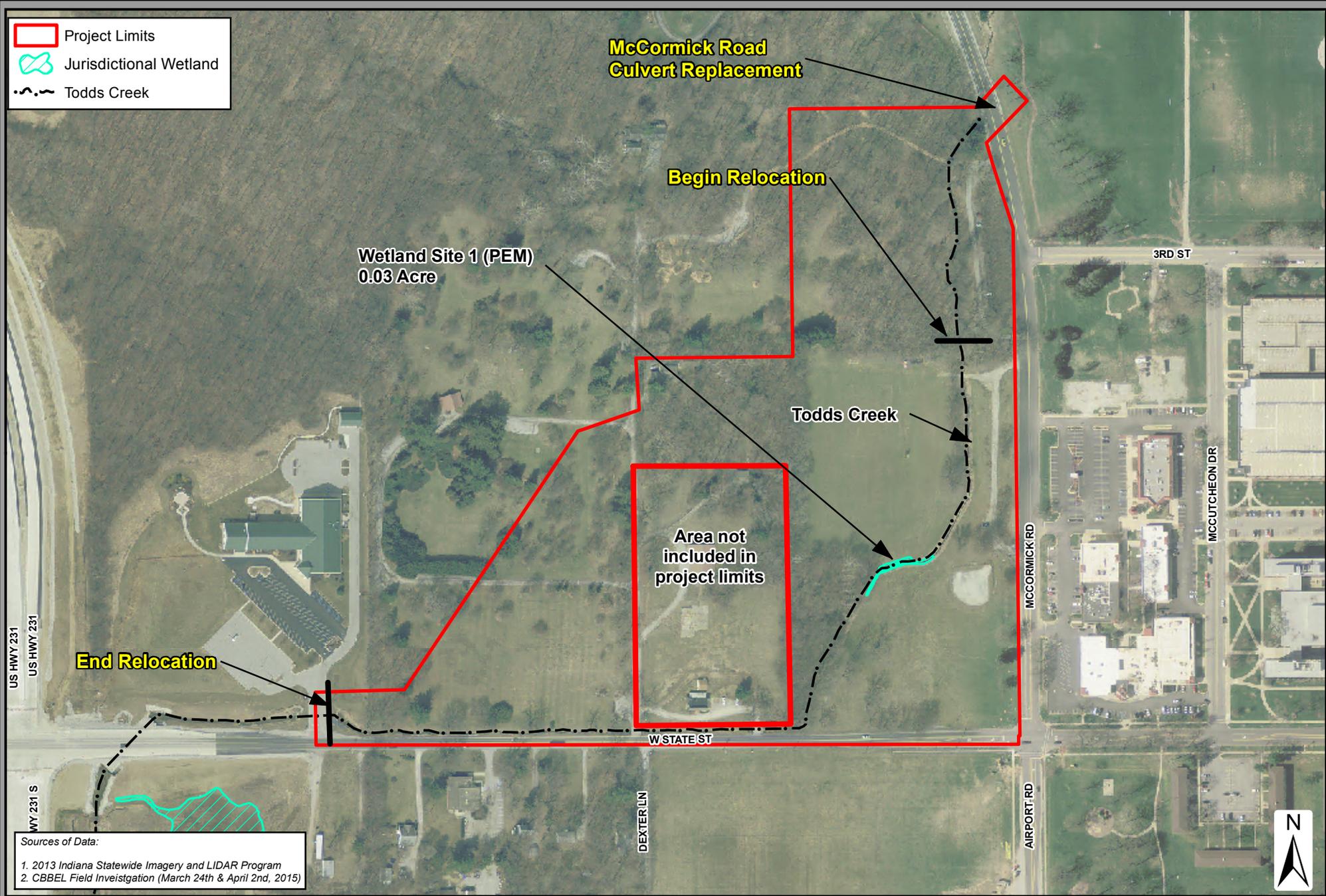
PROJECT NO. LRL-2015-518-lcl

APPROX. SCALE as shown

DATE: 01/2016

PN Exhibit 1 of 6

 Project Limits
 Jurisdictional Wetland
 Todds Creek



Sources of Data:
 1. 2013 Indiana Statewide Imagery and LIDAR Program
 2. CBBEL Field Investigation (March 24th & April 2nd, 2015)



 Christopher B. Burke Engineering, LLC PNC Center, Suite 1368 South 115 West Washington Street Indianapolis, Indiana 46204 (t) 317.266.8000 (f) 317.632.3306	PROJECT: Western Gateway District Drainage Improvement Project	PROJECT NO. LRL-2015- 518-1c1	APPROX. SCALE 1" = 300'
	TITLE: Existing Conditions		DATE: 01/2016 PN EXHIBIT 2 of 6



Todd's Creek Re-alignment

Horticulture Park

Parking

Parking

Parking

Mixed Use Office

Daycare Center

3rd St

McCutcheon Dr

W State St

Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



Project Limits



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PROJECT: **Western Gateway District
 Drainage Improvement Project**

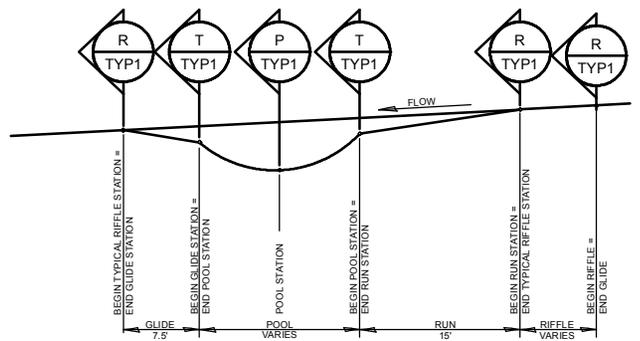
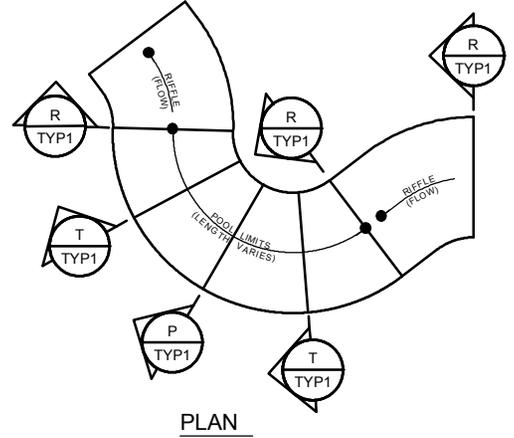
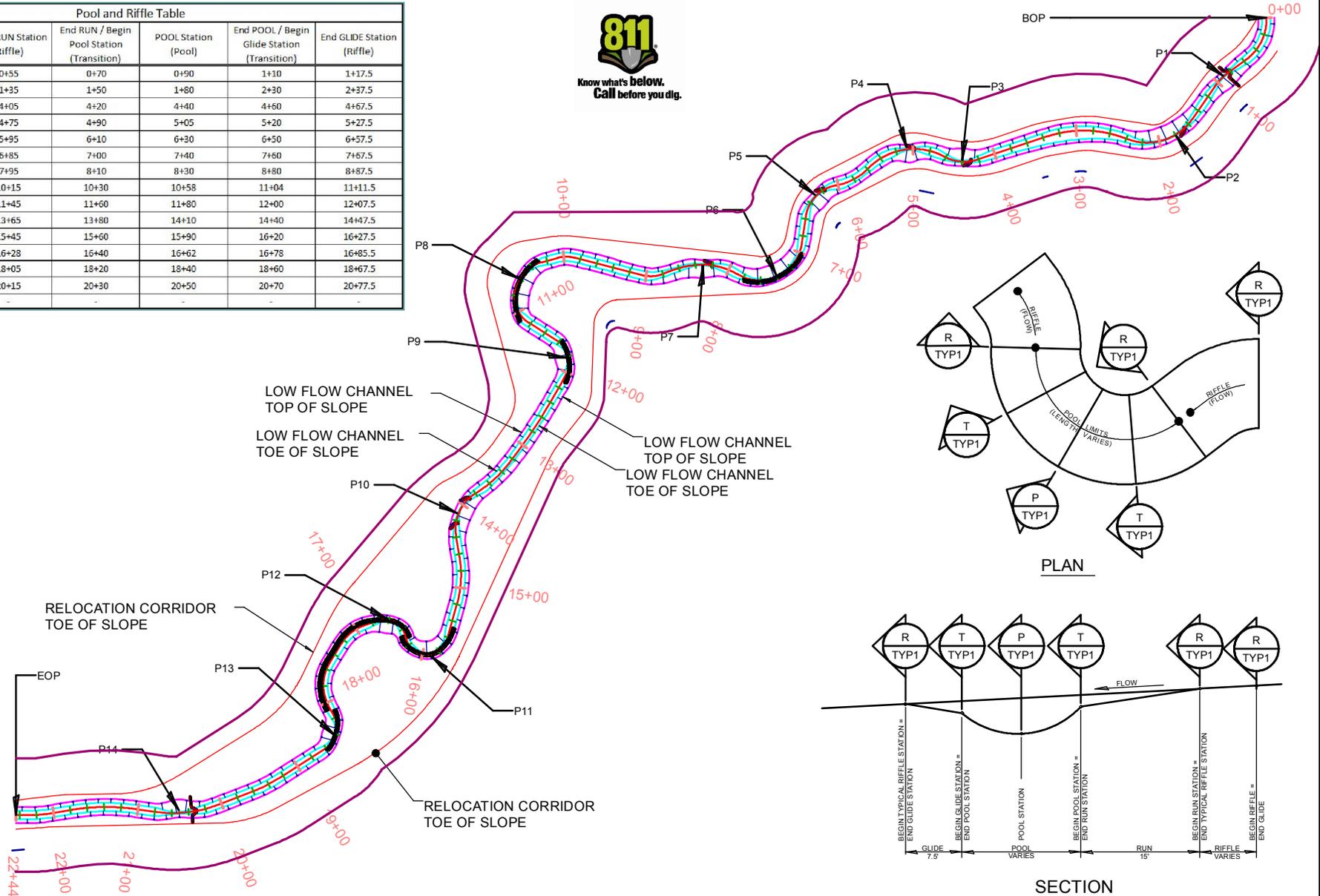
PROJECT NO.
**LRL-2015-
 518-lcl**

APPROX. SCALE
1" = 250'

TITLE: **Development Plan**

DATE: **01/2016**
**PN Exhibit
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Pool and Riffle Table						
Pool No.	Begin Riffle (Riffle)	Begin RUN Station (Riffle)	End RUN / Begin Pool Station (Transition)	POOL Station (Pool)	End POOL / Begin Glide Station (Transition)	End GLIDE Station (Riffle)
P1	0+00	0+55	0+70	0+90	1+10	1+17.5
P2	1+18	1+35	1+50	1+80	2+30	2+37.5
P3	2+38	4+05	4+20	4+40	4+60	4+67.5
P4	4+68	4+75	4+90	5+05	5+20	5+27.5
P5	5+28	5+95	6+10	6+30	6+50	6+57.5
P6	6+58	6+85	7+00	7+40	7+60	7+67.5
P7	7+68	7+95	8+10	8+30	8+80	8+87.5
P8	8+88	10+15	10+30	10+58	11+04	11+11.5
P9	11+12	11+45	11+60	11+80	12+00	12+07.5
P10	12+08	13+65	13+80	14+10	14+40	14+47.5
P11	14+48	15+45	15+60	15+90	16+20	16+27.5
P12	16+28	16+28	16+40	16+62	16+78	16+85.5
P13	16+86	18+05	18+20	18+40	18+60	18+67.5
P14	18+68	20+15	20+30	20+50	20+70	20+77.5
-	20+78	-	-	-	-	-

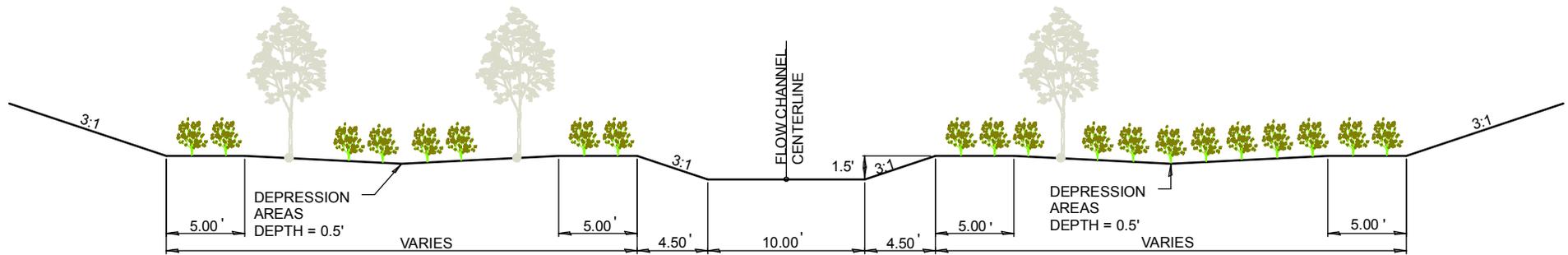


NOTE: REFER TO SHEET TYP1 FOR CROSS SECTION REFERENCES.
POOL AND RIFLE DETAIL
 NOT TO SCALE

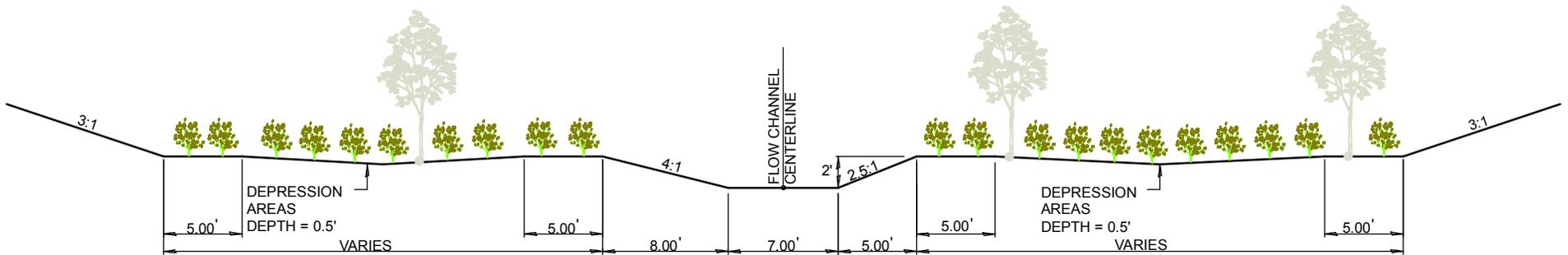
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PROJECT: **Western Gateway District Drainage Improvement Project**
 TITLE: **Plan View**

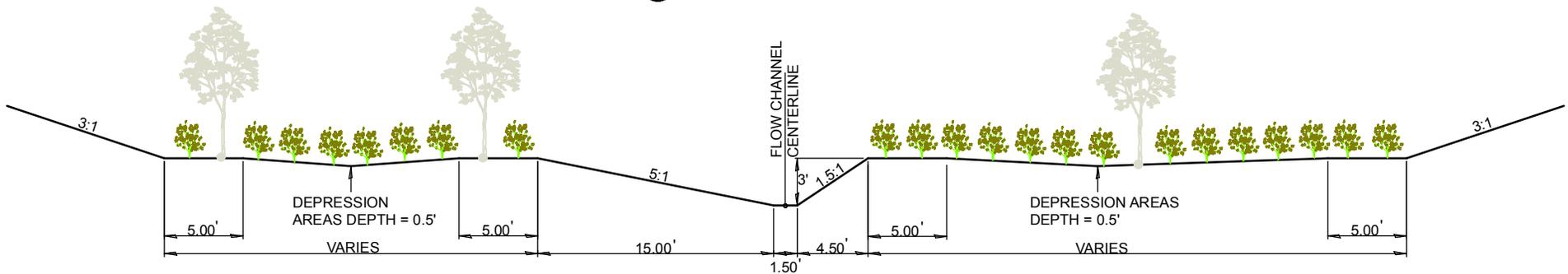
PROJECT NO. **LRL-2015-518-lcl**
 APPROX. SCALE **1" = 125'**
 DATE: **01/2016**
 PN Exhibit **4 of 6**



(R) TYPICAL RIFFLE SECTION



(T) TYPICAL TRANSITION SECTION



(P) TYPICAL POOL SECTION



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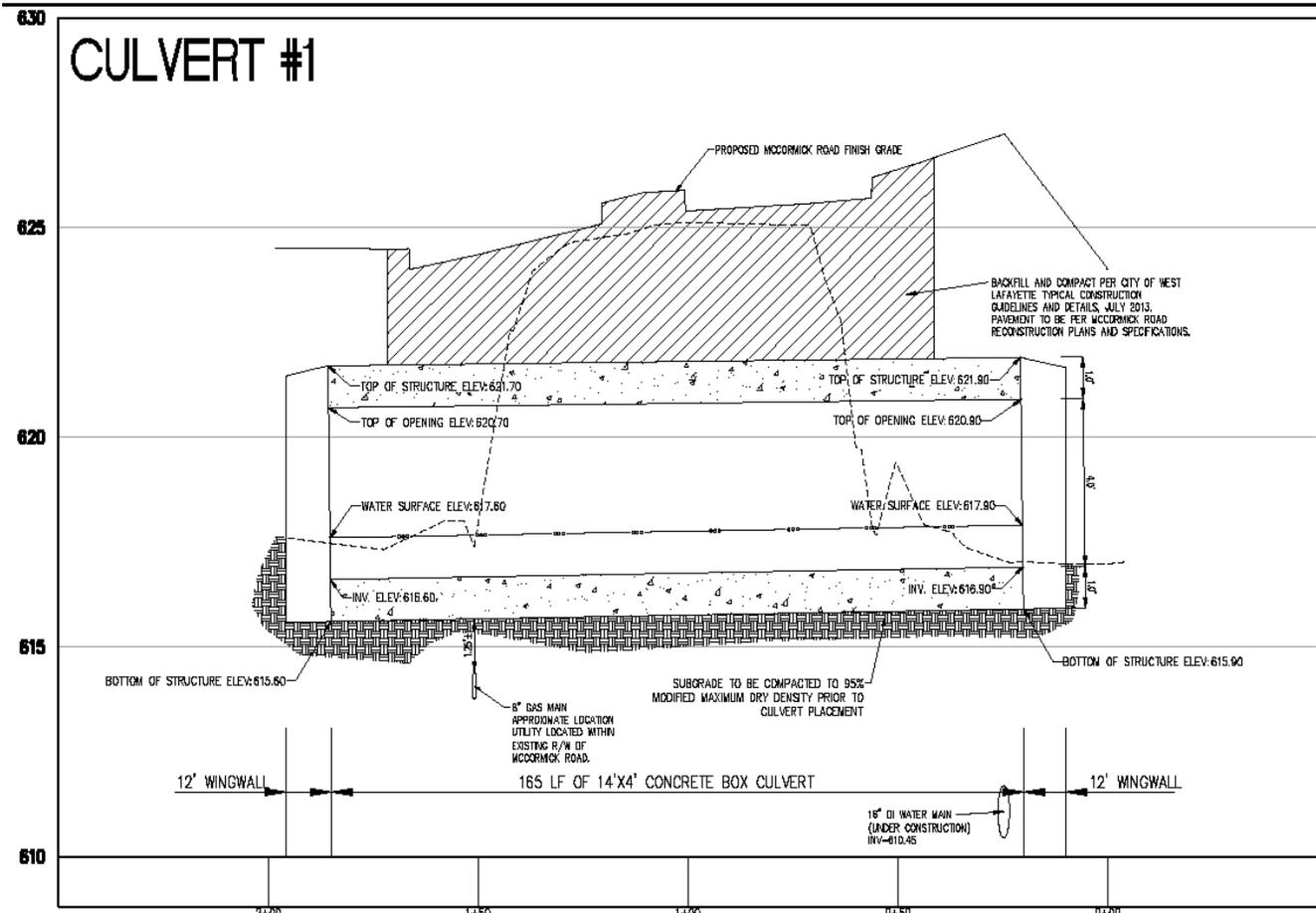
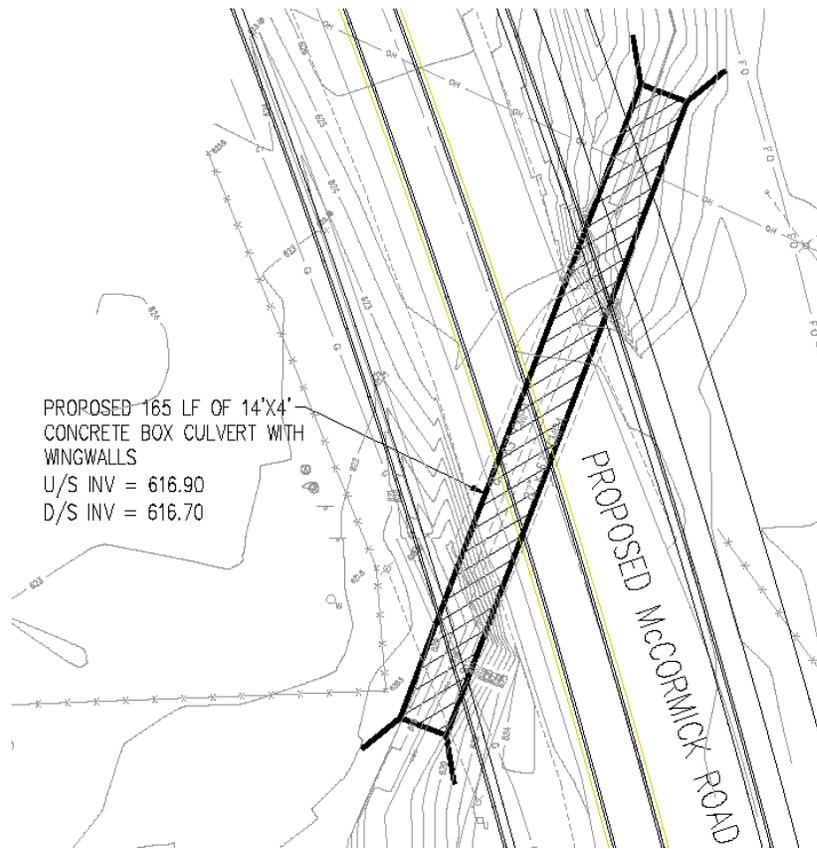
PROJECT: **Western Gateway District
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PROJECT NO.
**LRL-2015-
 518-lcl**

APPROX. SCALE
1" = 10'
 DATE: **01/2016**

TITLE: **Typical Section**

**PN Exhibit
 5 of 6**



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PROJECT: Western Gateway District
 Drainage Improvement Project

TITLE: McCormicks Road Culvert

PROJECT NO.
 LRL-2015-
 518-1c1

APPROX. SCALE
 n.t.s.

DATE: 01/2016

PN Exhibit
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